

Application No. 10/065,005

Amendment dated January 06, 2006

Amendment made in response to Office Action dated September 06, 2005

REMARKS/ARGUMENTS

Rejections under 35 USC § 102

Claims 1-23 stand rejected under 35 USC § 102(b) as being anticipated by US 5,541,930

(Klingman). Applicants respectfully disagree.

As amended, claim 1 recites an interface unit disposed between an ISDN-based bus and a processor bus. Data in the ISDN-based bus is transferred in ISDN frames divided into a plurality of timeslots. The ISDN based bus comprises an ISDN-oriented modular bus for transferring data in common channels. Transferring data using common channels prevents all timeslots from being accessed. The interface unit facilitates communication between a device coupled to the ISDN-based bus and a device coupled to the processor bus and is capable of accessing all timeslots in an ISDN frame for data transfer. Claim 9 recites an interface which facilitates communication between an ISDN-based bus and a processor bus. Like claim 1, the interface is capable of accessing all timeslots of an ISDN frame for data transfer. Claim 23 recites a method of transferring data between an ISDN-based bus and a processor bus. As for newly added claim 24, it recites data transfer of a device coupled to a processor bus via a universal serial port. Similar to claims 1 and 9, all timeslots of an ISDN frame are capable of being accessed for data transfer. By accessing all timeslots for data transfer, data transfer rate is increased.

Klingman describes a communication system in which transceiver communicates through an ISDN network. A transceiver includes a computer and an interface circuit. The interface circuit processes data for sending and receiving byte aligned data to and from another transceiver. In receiving mode, the interface circuit receives ISDN frames from the ISDN network while in the transmitting mode data bytes are inserted into B-channel ISDN frames. See e.g., Klingman, col. 4 at lines 25-36. As such, transmitted and received data are in an ISDN format. See e.g., Klingman col. 5 at lines 23-31. However, Klingman nowhere teaches that data is transfer in the ISDN bus through common channels which prevents all timeslots of an ISDN frame from being accessed. Klingman also fails to teach or suggest an interface circuit that enables accessing of all timeslots in an ISDN frame for data transfer. Furthermore, with respect to claim 24, Klingman nowhere teaches or suggests facilitating transfer of data of a device

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coupled to the processor bus via a universal serial port. As such, Applicants submit that claims 1, 9, 23 and 24 are patentable over Klingman. Since claims 2-8 and 10-22 are directly or indirectly dependent on claims 1 or 9, these claims are also patentable. Applicants therefore respectfully request withdrawal of the rejection based on 35 USC § 102(b).

Rejections under 35 USC § 103

Claims 6-8 and 10-22 are rejected under 35 USC § 103(a) as being unpatentable over Klingman and further in view of US 6,219,736 (Klingman 2). Applicants respectfully disagree.

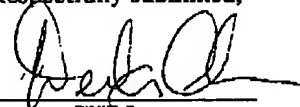
As discussed in a previous response, Klingman 2, like Klingman, nowhere teaches or suggests transferring data by accessing all slots or timeslots of an ISDN frame. As such, Applicants submit that Klingman or Klingman 2, alone or in combination, fails to render the present claims unpatentable. Therefore, Applicants respectfully request withdrawal of the rejection based on 35 USC § 103(a).

Conclusion

In view of the foregoing, Applicants believe that all claims now pending in this application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested. Should the Examiner believe that a telephone conference would expedite prosecution of this application, please telephone the undersigned attorney at his number set out below.

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Respectfully submitted,



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